

FIGURE 1 (PRIOR ART)

FIG. 2 is a schematic diagram of a radiation detection system 200. The system includes a radiation source 215, a detector assembly 210, and a processing unit 280. The detector assembly 210 includes a detector 240, a substrate 235, and a protective layer 230. The detector 240 is divided into a plurality of segments 244 and 245. The substrate 235 is positioned below the detector 240, and the protective layer 230 is positioned below the substrate 235. The processing unit 280 is positioned below the protective layer 230. Radiation 220 is emitted from the radiation source 215 and directed towards the detector 240. The detector 240 is configured to detect the radiation 220 and generate a signal 250, which is then processed by the processing unit 280.

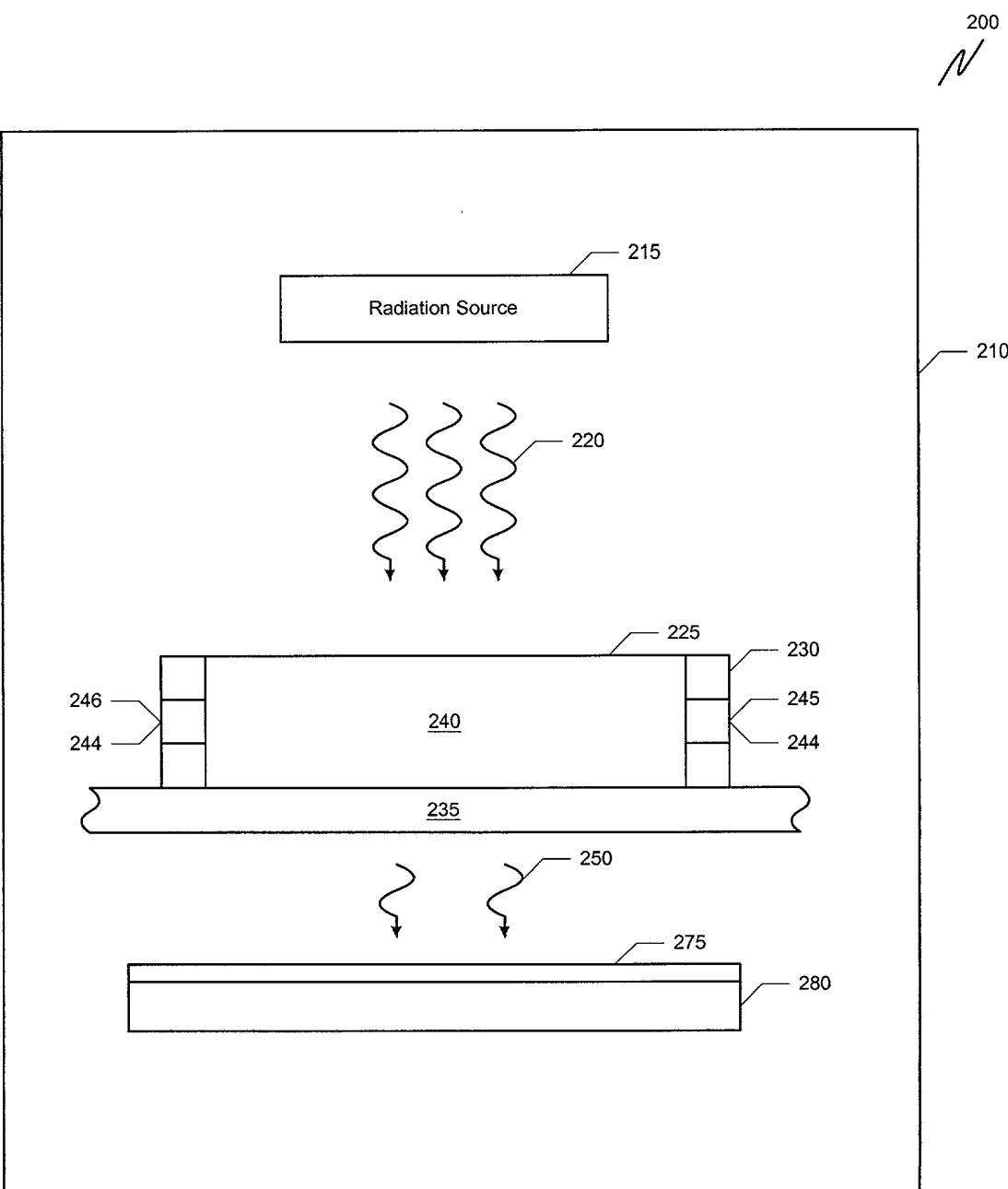


FIGURE 2

300

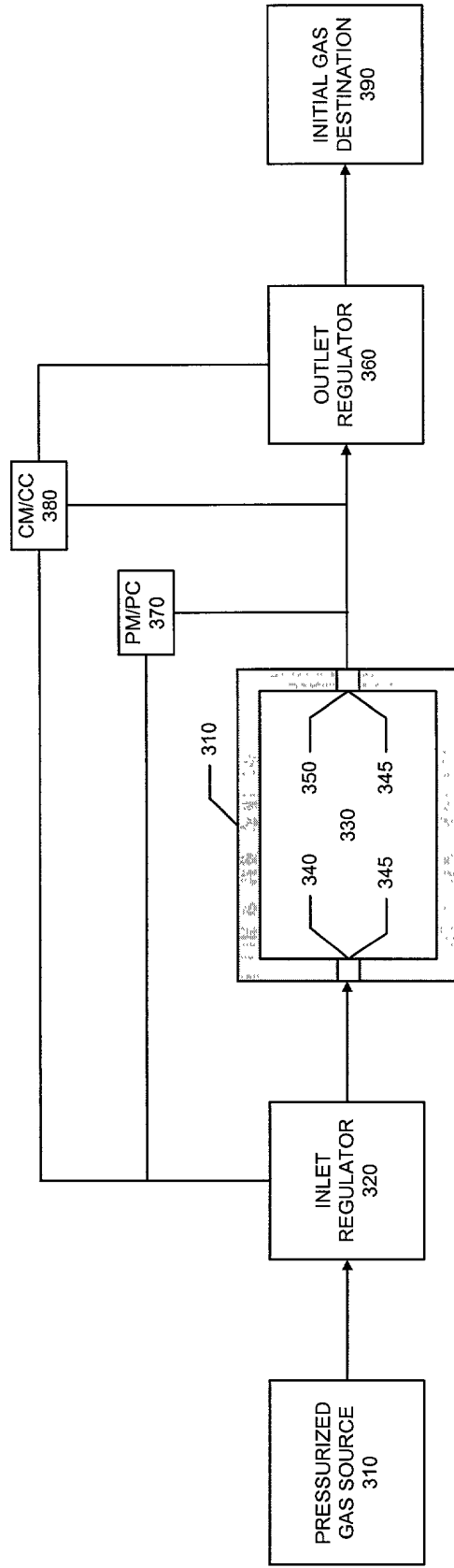


FIGURE 3

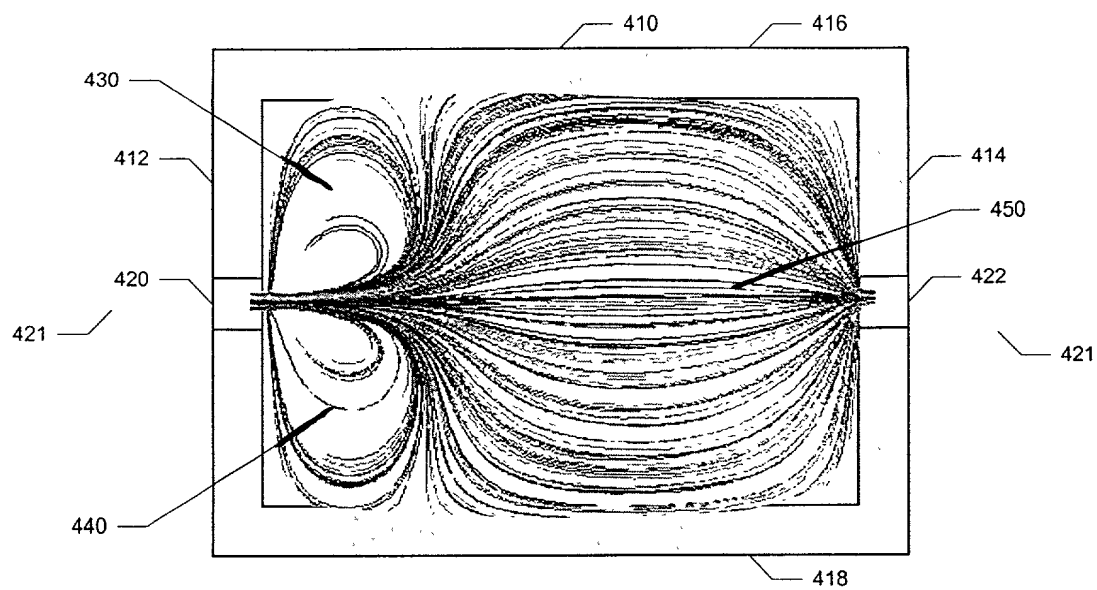


FIGURE 4

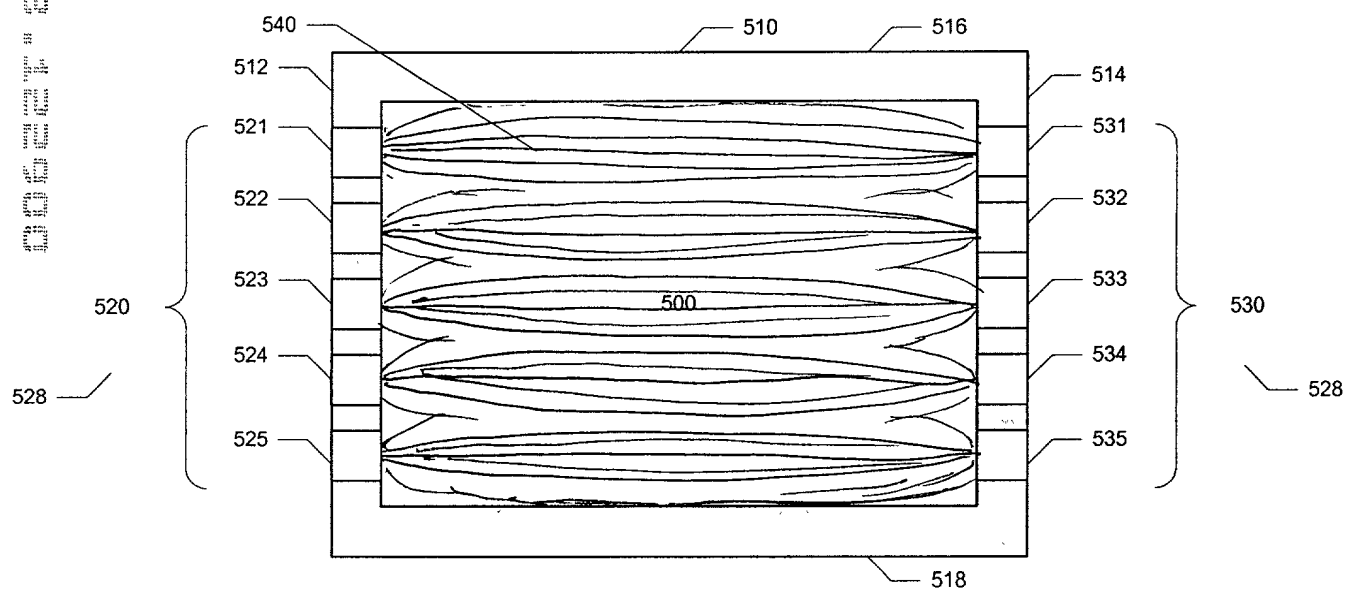


FIGURE 5

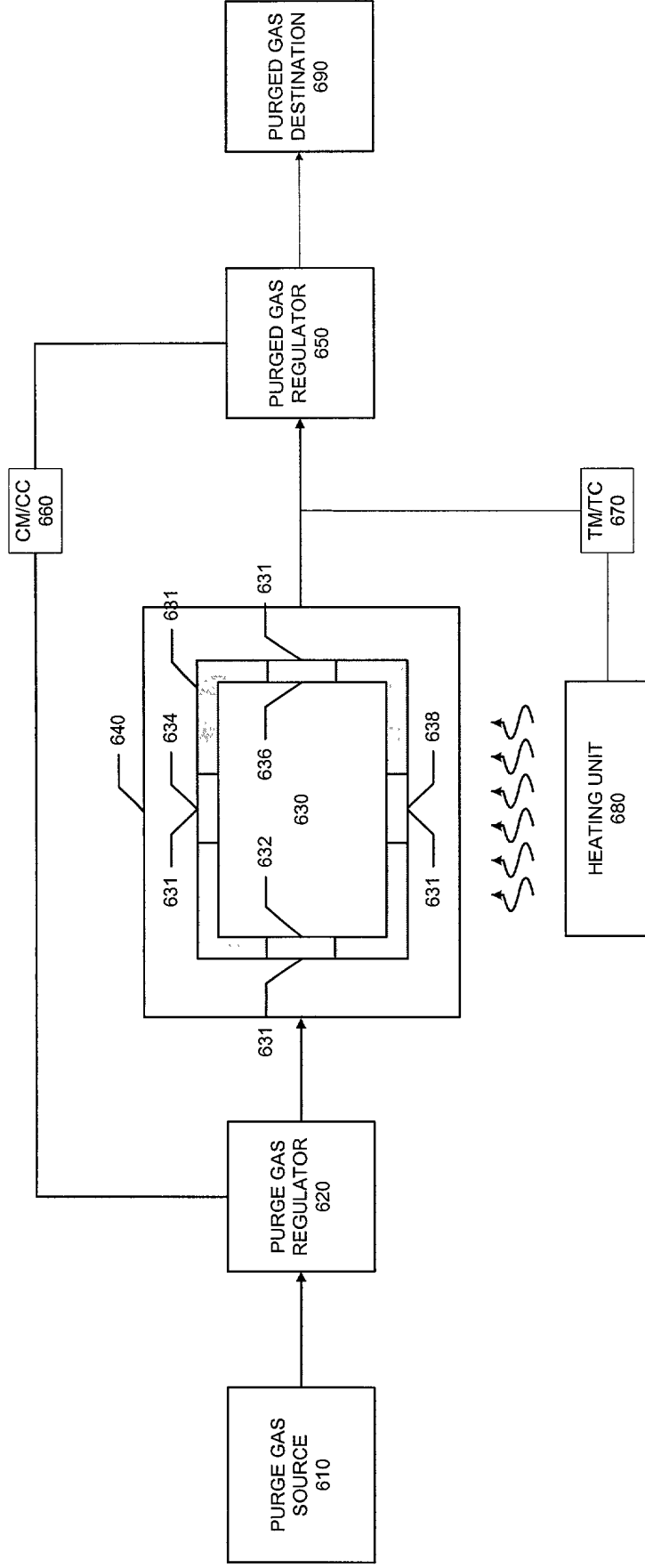


FIGURE 6

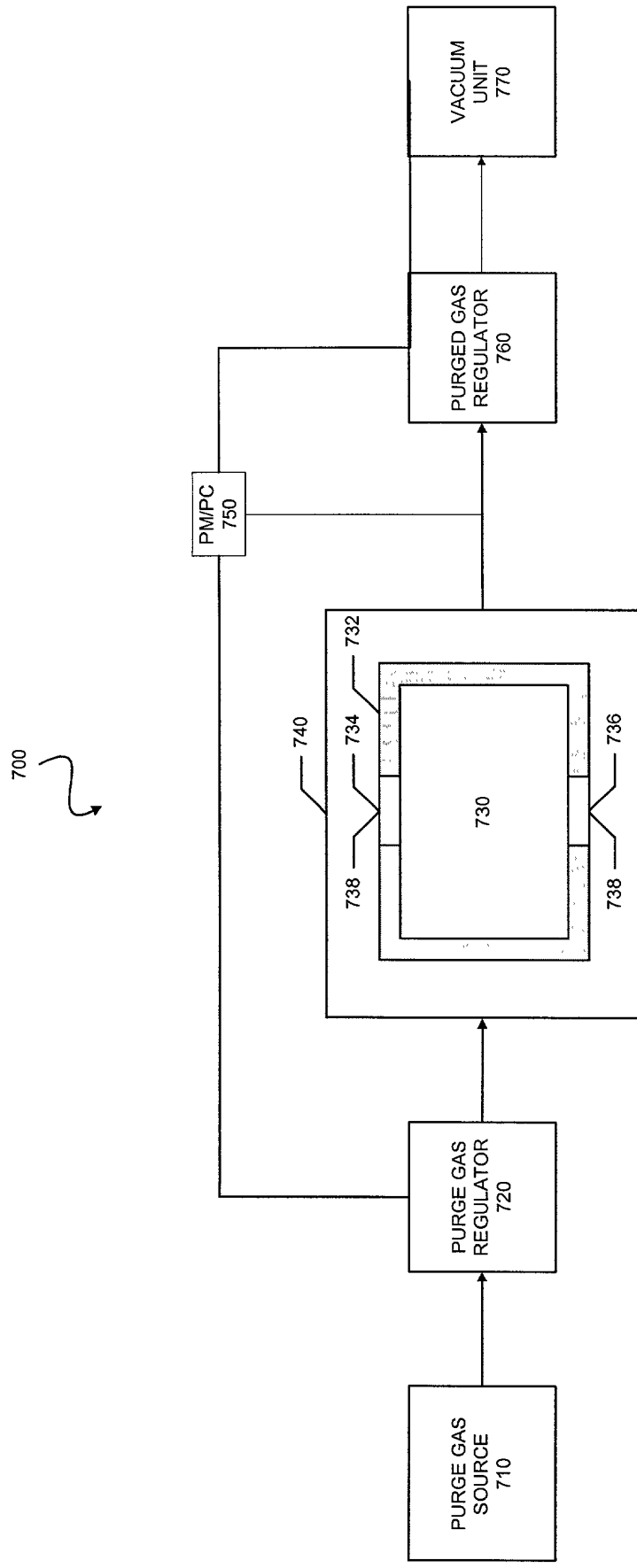


FIGURE 7

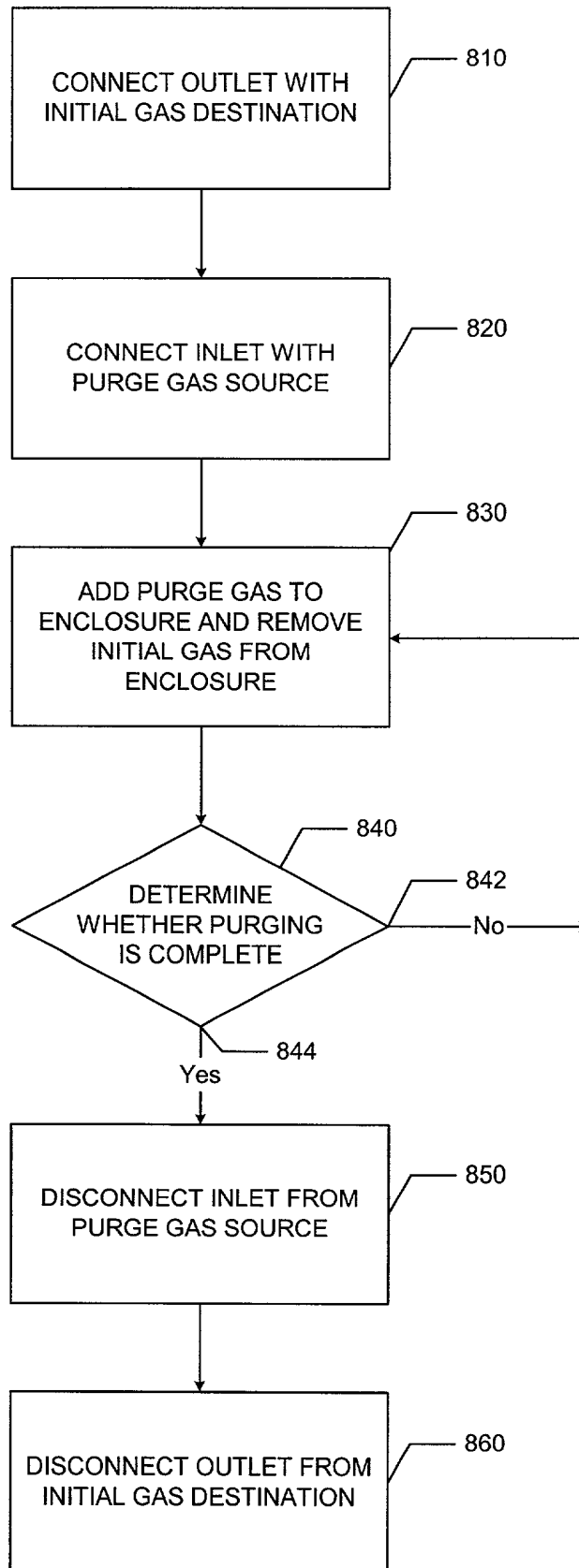


FIGURE 8

700

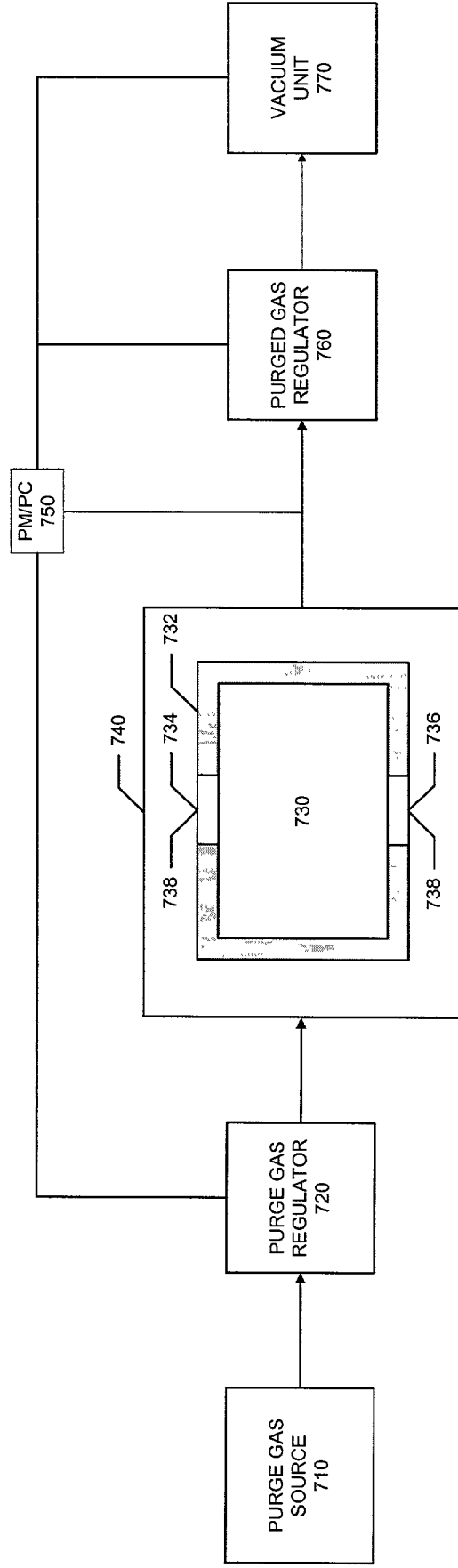


FIGURE 7